

**ABSTRACT**

A method for optically coupling a thermoplastic material to an outer surface layer of an organic, dielectric, optical film and the resulting optical filter. Initially, a dielectric film is selected  
5 that includes (i) repeating optical layers of at least two polymers having different refractive indexes from each other, (ii) an exterior film surface, (iii) a refractive boundary along the exterior film surface, and (iv) a delamination threshold based on total thermal energy delivered to the film. A thermoplastic material which is miscible with the exterior film surface is fused to the refractive  
10 boundary with thermal energy below the delamination threshold to form a polydisperse region having a higher optical transmission than the refractive boundary. Add-on filters in the form of hardcoat layers, anti-reflection layers, holograms, metal dielectric stacks and combinations of these may be combined with the thermoplastic-film construct.